



tecumseh

AE2420U-FZ1B

220 - 240V 1~ 50 Hz

Compressor

LBP

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ	278	947	

(*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	10.8 kg (24 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	3/8 in (9.52mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	11
Horse Power	1/2
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -10°C (-40°F to 14°F)
Expansion Device	Capillary Tube
Oil Type	P.O.E 32
Oil Charge (cc)	366

Electrical

Motor Type	CSIR
Main Winding (Ohm)	7.11
Start Winding (Ohm)	19.01
Current RLA 50Hz (A)	2.5
Current LRA (A)	13.5
Start Capacitor	64-77 µF / 330 V
Overload	MSP56AMN-5587
- Time Check	7.5 - 14s / 10.2 A
- Open Temp / Close Temp	120 °C / 61 °C
Current Relay	MTRP4331
- Pick Up / Drop Out	6.1 A / 5.2 A

Note : Tecumseh reserves the right to change information contained in this document without notification.



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Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-290

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	236	320	427	555	700	858	1026
	Power Input (W)	204	231	261	291	319	341	354
	Amps (A)	1.77	1.81	1.89	1.99	2.09	2.17	2.2
40	Refrig. Capacity (Watt)	202	278	375	489	617	756	902
	Power Input (W)	206	238	274	311	346	377	400
	Amps (A)	1.81	1.85	1.94	2.06	2.18	2.29	2.37
50	Refrig. Capacity (Watt)		238	324	425	538	657	781
	Power Input (W)		241	281	324	367	406	439
	Amps (A)		1.86	1.95	2.09	2.24	2.38	2.51
60	Refrig. Capacity (Watt)				360	457	558	660
	Power Input (W)				336	385	431	473
	Amps (A)				2.13	2.31	2.49	2.65

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